

Paul Jeong

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EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Engineering

May 2024
GPA: 3.75/4.00

PROJECTS

Portfolio Website V2

May 2022

- Rebuilt a portfolio website with React, JSX, CSS, and JavaScript with more consideration to UI

San Francisco Road Map

May 2022

- Created a road map of SF with a graph implementation and developed shortest distance and visual functionalities utilizing C++, Docker, and Make program

Simple Smart Contract

January 2022

- Deployed and published an updateable simple smart contract on Etherscan, utilizing a test Ethereum network (Ropsten) and written with JavaScript and Solidity

Course Directory App

November 2020 – December 2020

- Implemented a search bar and 5-star rating features to a course directory using Java and Android Studio

SKILLS

Python (Intermediate), C++ (Experienced), Java (Intermediate), C Programming (Intermediate), React (Intermediate), HTML5 & CSS (Intermediate), Git (Intermediate), Linux (Intermediate), ADL2000, Android Studio (Beginner), Computer Assembling, Korean (Advanced), Spanish (Intermediate)

WORK EXPERIENCE

CEESD Research Intern

July 2022- August 2022

Center for Exascale-enabled Scramjet Design

- Developed and appended features to mirgecompare.py (python script) for comparing VTU, HDF5, and XDMF output files from simulation executions
- Refactored and optimized old script into library + script
- Added command line specific features for multiple tolerance values
- Began comparisons for multiple rank processes output files using XML parsing

Engineering Intern

June 2019 - August 2019

Newton City Hall Engineering Department

- Completed a project to revise and improve the city engineering department's webpage
- Shadowed public works in-person, observed design through AutoCAD Civil 3D, and conducted field surveys for future construction

Tutor

Private

July 2021 – August 2022

- Preparation for SAT Math, AP Physics C: Mechanics

LEADERSHIP AND ACTIVITIES

Treasurer

April 2022 – Present

Society of Asian Scientists and Engineers

- Organized and attended career-building events

Sub Scale Member

September 2021 – March 2022

Illini Air Shuttle

- Brainstormed solutions to implement 12 motors onto an 8-motor controller

RELEVANT COURSEWORK

Fall 2022

Applied Parallel Programming; Digital Systems Laboratory; Power Circuit and Electromechanics; Data Structures & Algorithms; Discrete Structures; Computer Systems & Programming; Analog Signal Processing;